

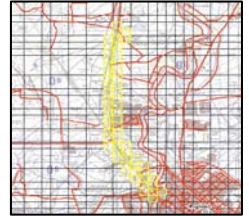


**US Army Corps
of Engineers®**
Engineer Research and
Development Center

Topographic Engineering Center Common Map Background (CMB)

Description and Background

The Operations Division (OD) of the Topographic Engineering Center saw a need for a system that provides the capability to assemble, host, maintain, and disseminate a common geospatial map database. The database includes the latest and best available National Geospatial-Intelligence Agency (NGA) data, as well as TEC produced products. This database and/or subsets thereof (regional) will be provided as requested to Army customers.



Key Capabilities



CMB dramatically eliminates the time and expense required for field users to acquire, manage and load/import CD-ROMs of geospatial data pertinent to their Area of Operations. Standard NGA data has been spatially indexed, and is available for dissemination.

Currently, products requested range from map and image datasets of small area's of interest, to large country or command datasets. Customers are able to request through TEC's website, or by email. This year alone, the CMB analysts have responded to requests from a multitude of agencies, ranging from Corps of Engineers District Offices to Army Topographic Units overseas. Data is delivered on CD-ROM, DVD or Firewire drive.

Current Status

TEC, through the Source Acquisition Team, maintains a database of current geospatial data from numerous sources including NGA. Data types include: Compressed Arc Digitized Raster Graphic (CADRG – all scale products), Controlled Image Base (CIB levels 10, 5, 1), Digital Terrain Elevation Data (DTED levels 0, 1, 2), Shuttle RADAR Topography Mission (SRTM), VMAP, and Indian Remote Sensing imagery (IRS – 5 meter color) of the entire United States. A geospatial index of all data holdings is maintained in an SDE Geodatabase (ESRI), and can be utilized in ArcMap for automated data retrieval and manipulation. Data ingest and index tools have been developed in-house at TEC to maintain the database. Regular updates are provided to TEC by NGA.

In addition, the CMB team distributes by request, Urban Tactical Planners (UTPs), UTP fly-throughs, Buckeye imagery and associated LIDAR, and USGS Digital Ortho Quarter Quad imagery (DOQQ – 1 meter). Maps formatted for display on the Defense Advanced Global Positioning System Receiver (DAGR) are also available through the CMB team.

Point of Contact

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